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Software Development Engineer

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Summary

An award-winning Software Development Expert specialized in developing and building highly complex software applications with hands-on expertise in Machine Learning algorithms, Data Science, Business Analytics, and Full Stack engineering to deliver best-in-class technical solutions and drive business growth initiatives. A highly competent team leader capable of functioning efficiently in a fast-paced, deadline-driven and dynamic work environment; demonstrates excellence in developing stack architectures and delivering capabilities across marketplace.

Represented India in Google Hackathon finals | Directed the team on patented project – LoadAB | Engineered the entire admin side @ resume_audit and helped attract 10k customers to the platform | Received media appreciations for constructing and launching surakshacovid19.tech, a COVID19 dashboard | Received Best paper Presentation for paper titled "Cyber Criminal Detection using Hotspot Analysis"

Work Experience

Software Development Engineer(Intern)

Saleassist.ai

15-03-2020 – Present

- Working as a python developer towards using video commerce using sentiment analysis, live bots and video demonstration of products for increasing leads.
- Working with Rest API's, fast API framework, Flask, Django and using NoSQL databases with AWS.

Machine Learning (Intern)

Teksands.ai

22-02-2020 – Present

- Worked as a Machine Learning Engineer working on documentation and implementation of small Projects as well as curating Data Science and Machine Learning Courses

Full Stack Engineer(Intern)

Gaius Networks

01-07-2020 – 31-10-2020

- Assembled production level solutions for the platform which served as a means to connect hyper-local communities together.
- Helped attract 20k active user base for the platform and built highly-reliable and scalable products in full-stack.

Full Stack Engineer(Intern)

RedFox Labs

01-03-2020 – 01-07-2020

- Led research in the advanced areas of artificial intelligence, data mining, machine learning, and deep learning and experimented with machine learning algorithms to solve critical business problems and identify risk, fraud or natural language processing.
- Performed scraping of relevant data regarding Blockchain based games and helped them take data driven decisions.

Education

B.Tech (Computer Science and Engineering)

SRM Institute of Science and Technology

22-07-2017 – 31-05-2021 (Probable)

- Best Paper Presentation
- Awarded Advanced Proficiency Certificate in Ds and CPP

Higher Secondary (PCM)

DAV Model School, Durgapur

07-04-2015 – 10-04-2017

- Received accolades and awards for Academics and Sports

Secondary Education (PCMB)

St. Vincents High and Technical School

04-04-2003 – 28-03-2015

- Received numerous awards in academics, extra-curriculars and sports.

Accomplishments

- Highly recognized and interviewed by top news channels including Zee News for successfully constructing and launching surakshacovid19.tech
- Secured top position in finals of Google Hackathon
- Received a funded project from UP Police Dept
- Best Paper Award ->International Conference on IOT | Jan '20
- Paper Presentation -> ICICN| Jul '20
- Finalist C19 Bioinformatics Hackathon -> IIT Madras
- Intel Edge AI Scholar

Full Stack Engineer(Intern)

Ovonts

20-11-2019 – 04-01-2020

- Delivered working and well-structured JavaScript code, including API's and modules like a UI framework, document object model, etc.
- Managed individual / team project priorities, deadlines and deliverables in an agile work environment.
- Created the admin side dashboard by feeding in data from back-end api's and created the chat platform by integrating sockets.io and end to end encryption using signal protocol

Data Science (Intern)

Kaashiv Infotech

01-06-2019 – 20-06-2019

- Identified and collated datasets while creating and applying advanced data analytics models using statistical and machine learning techniques.
- Assisted and directed the team in day-to-day jobs and projects.

Machine Learning (Trainee)

MyWbut

01-12-2018 – 08-01-2019

- Utilized big data analytics tools and applied analytical techniques for data retrieval, preparation, and discovery.
- Worked with massive datasets to develop both generic models as well as fine tune models.

Machine Learning Researcher (Final Project)

SRMIST Research Labs

20-01-2020 – Present

- Designed and developed robust and efficient machine-learning and deep-learning algorithms.
- Implemented machine learning methods drawn from diverse areas such as neural networks, deep learning, and NLP

Minor Projects

- Twitter Scraping and Analytics - Machine Learning
- Blockchain Based Fake News Filtering – Blockchain
- Suraksha Covid 19 - Webdev and Analytics
- Online File Explorer – Web Development
- Web Interface for predicting Diabetes
- Waste, Pothole and Stray cattle Reporter - Full Stack
- Video Caption generator – Deep Learning
- Recommender System using Boltzmann Machines and Stacked AutoEncoders
- Data Analysis and Dashboard (Web Development)
- Object Detection using YOLO - Deep learning
- Object Classification via Transfer Learning - Deep learning
- MNIST Digit Generator using GAN - Deep learning
- Email Spam Classification - Machine Learning
- GAN in Keras and Pytorch
- Chatbot on reddit data
- Drowsiness Detection System

Certifications (MOOCS / Offline)

ReactJS | AngularJS | MongoDB | MySQL | ImageProcessing | Natural Language Processing | Databases | Nodejs | Blockchain | Data Science 365 | Neural Networks and Deep Learning | Deep Learning Specialization | Machine Learning Specialization

Core Competencies

Machine Learning

- Pandas, Scikit-Learn, NumPy, Keras,

Deep Learning

- Tensorflow, Pytorch, Recommender Systems, Text Processing, Recurrent Neural Networks, Artificial Neural Networks, Convolutional Neural Networks, Artificial Intelligence

Business Analytics and Data Analytics

- Tableau, Power BI, Big Data Analytics, Text Mining

Full Stack Web Development

- MongoDB, Flask, FastAPI, Django, Redis, REST API, AngularJS, ReactJS, Express Js, NodeJs

Blockchain Based Network

- SHA256, Consensus Protocols, Smart Contracts, Immutable Ledgers, BitCoin working and mining, ASIC Devices

Languages

- C, C++, R, JavaScript, Python, PHP, Java

Cloud Based Services

- AWS, AZURE , Heroku

Team Leadership and Strategic Planning

- Lead Project based teams to ensure successful delivery
- Was part of the core group in Dataly and Ovonts and actively took part in business model planning and lead conversion methods strategically

Project Management

- Functioned as a Tech Lead in MLSA CLub SRM and Dataly.
- Managed project life-cycles right from its planning and system design to its delivery. and worked in tandem with the team as a team player

Major Projects Undertaken

Delinquent Profile Detection using OSINT Techniques

Final Year Project

- Collaboration with Dr Jason RC Nurse
- Base Paper -> https://www.researchgate.net/publication/344341349_Cyber_Criminal_Detection_Using_Hotspot_Analysis

Resume Audit

<http://resume.dataly.in>

- Has an userbase of 10k
- Has features like resume audit, JD vs CV, SWOT Analysis

LoadAB

<http://test.dataly.in>

- Community based marketplace for Raw Materials
- Patented Project